

The Commonwealth of Massachusetts  
Executive Office of Health and Human Services  
Department of Public Health  
William A. Hinton State Laboratory Institute  
305 South Street, Jamaica Plain, MA 02130

DEVAL L. PATRICK  
GOVERNOR

TIMOTHY P. MURRAY  
LIEUTENANT GOVERNOR

JUDYANN BIGBY, MD  
SECRETARY

JOHN AUERBACH  
COMMISSIONER

January 31, 2012

To: ADA Michael Pirrello

From: Nicole E. Medina

RE: Commonwealth vs. [REDACTED]

Dear ADA Pirrello,

Enclosed you will find copies of the following documents that you requested regarding Drug Lab number [REDACTED]

1. Drug Analysis Laboratory Receipt.
2. Evidence Control card with analytical results.
3. Analysis sheet with chemist's hand notations and test results.
4. GC analytical data.
5. GC/Mass Spectral analytical data.

I was the primary custodial chemist for Lab # [REDACTED] and Annie Dookhan was the GC/MS confirmatory chemist. Should you have any questions please do not hesitate to call me at 617-983-6630.

Sincerely,

A handwritten signature in black ink, appearing to read "Nicole E. Medina".

Nicole E. Medina  
Chemist II  
Drug Analysis Laboratory

PLEASE PRINT CLEARLY OR TYPE ALL INFORMATION



The Commonwealth of Massachusetts  
Executive Office of Health and Human Services  
Department of Public Health  
State Laboratory Institute

Boston Drug  
Laboratory  
Tel (617) 983-6622  
Fax (617) 983-6625

Amherst Drug  
Laboratory  
Tel (413) 545-2601  
Fax (413) 545-2608

Boston Hours  
8:00 – 11:00  
2:00 – 4:00

Amherst Hours  
9:00 – 12:00  
1:00 – 4:00

DRUG RECEIPT

City or Department: MEDWAY Police Reference No.: 10-1242

Name and Rank of Submitting Officer: Sergeant Wm. Karpis

Defendant(s) Name (last, first, initial)



Description of Samples

To be completed by Lab Personnel  
Gross Weight Lab Number

1 TM CAN w/ Brown Substance

9.70 gm



Received by:

AD

Date:

2.28.11

No. [REDACTED]  
City: Medway Police Dept.  
Officer: Sergeant WM. KINGSBURY  
Def: [REDACTED]

Date Analyzed: 06-08-11

Amount:  
No. Cont: 1 Cont: can

Subst: <sup>res</sup> SUB

Date Rec'd: 03/30/2011  
Gross Wt.: 9.70

No. Analyzed:  
Net Weight:  
# Tests: 5 Nem  
• 2 ASD

Prelim: Heroin Findings: Heroin

DRUG POWDER ANALYSIS FORM

SAMPLE #



AGENCY

Medway

ANALYST

WEm

No. of samples tested: \_\_\_\_\_

Evidence Wt. ✓

PHYSICAL DESCRIPTION:

Signed & Sealed

Gross Wt ( ): \_\_\_\_\_

Gross Wt ( ): \_\_\_\_\_

Pkg. Wt: \_\_\_\_\_

Net Wt: \_\_\_\_\_

1 can bottom  
w/light brown residue.  
scraped for analysis.

PRELIMINARY TESTS

Spot Tests

Cobalt  
Thiocyanate (+) blue

Marquis + Purple

Froehde's + Purple

Mecke's + Green

Microcrystalline Tests

Gold  
Chloride \_\_\_\_\_

TLTA ( ) \_\_\_\_\_

OTHER TESTS

GC ⊕ weak heroin  
matches Std

PRELIMINARY TEST RESULTS

RESULTS Heroin

DATE 06.02.11

GC/MS CONFIRMATORY TEST

RESULTS Heroin

MS  
OPERATOR ASD

DATE 06.08.11

Sequence Table (Front Injector):

Method and Injection Info Part:

Line	Location	SampleName DataFile LimsID	Method	Inj	SampleType	InjVolume
====	=====	=====	=====	=====	=====	=====
1	Vial 1	BLANK	ROUTINE	1	Sample	
2	Vial 2	HEROIN STD	ROUTINE	1	Sample	
3	Vial 3	BLANK	ROUTINE	1	Sample	
4	Vial 4	<span style="background-color: black; color: black;">XXXXXXXXXX</span>	ROUTINE	1	Sample	
5	Vial 5	BLANK	ROUTINE	1	Sample	

Sequence Table (Back Injector):

No entries - empty table!

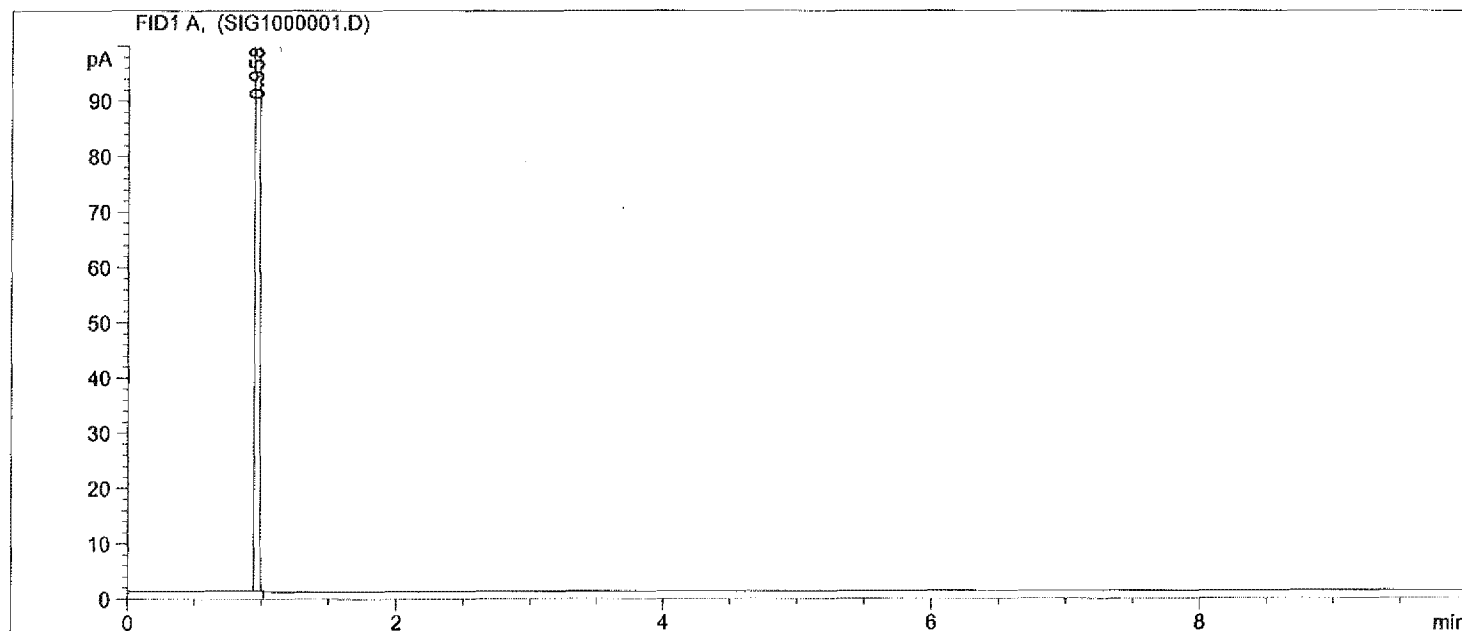
Sample Name: BLANK

```

=====
Acq. Operator   : ASD                      Seq. Line :    1
Acq. Instrument : DrugLab GC #1           Location  : Vial 1
Injection Date  : 6/6/2011 3:17:56 PM      Inj       :    1
                                           Inj Volume: 1 µl

Sequence File   : C:\CHEM32\1\SEQUENCE\DEFAULT.S
Method          : C:\CHEM32\1\METHODS\ROUTINE.M
Last changed    : 12/16/2010 11:45:09 AM by ASD
=====

```



```

=====
                          Area Percent Report
=====

```

```

Sorted By           :      Retention Time
Multiplier:         :      1.0000
Dilution:           :      1.0000
Do not use Multiplier & Dilution Factor with ISTDs

```

Signal 1: FID1 A,

Peak #	RetTime [min]	Sig	Type	Area [pA*s]	Height [pA]	Area %
1	0.958	1	BB S	1.78696e4	1.64537e4	1.000e2

```
Totals :                1.78696e4  1.64537e4
```

```

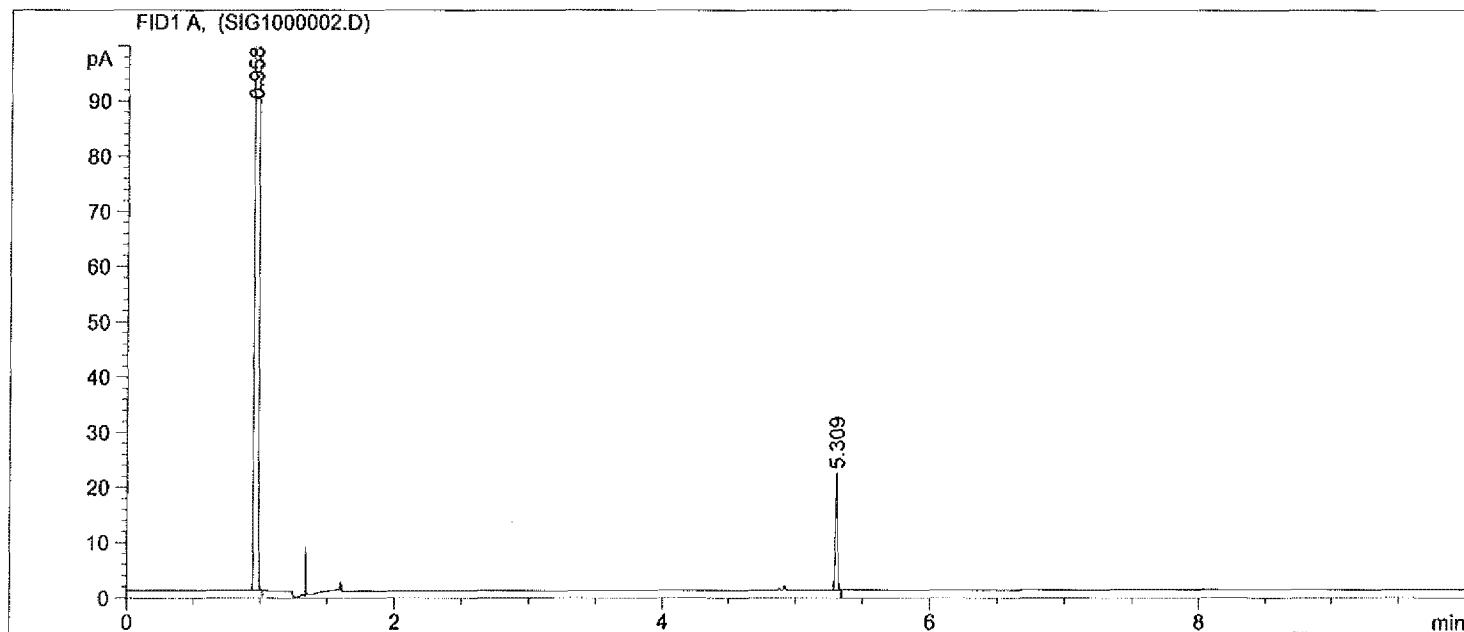
=====
*** End of Report ***
=====

```

Sample Name: HEROIN STD

```
=====
Acq. Operator   : ASD                      Seq. Line :    2
Acq. Instrument : DrugLab GC #1           Location  : Vial 2
Injection Date  : 6/6/2011 3:31:05 PM      Inj       :    1
                                           Inj Volume: 1 µl

Sequence File   : C:\CHEM32\1\SEQUENCE\DEFAULT.S
Method          : C:\CHEM32\1\METHODS\ROUTINE.M
Last changed    : 12/16/2010 11:45:09 AM by ASD
=====
```



```
=====
                          Area Percent Report
=====
```

Sorted By : Retention Time  
Multiplier: : 1.0000  
Dilution: : 1.0000  
Do not use Multiplier & Dilution Factor with ISTDs

Signal 1: FID1 A,

Peak #	RetTime [min]	Sig	Type	Area [pA*s]	Height [pA]	Area %
1	0.958	1	BB S	1.56769e4	1.49786e4	99.85402
2	5.309	1	BB	22.91796	20.89369	0.14598

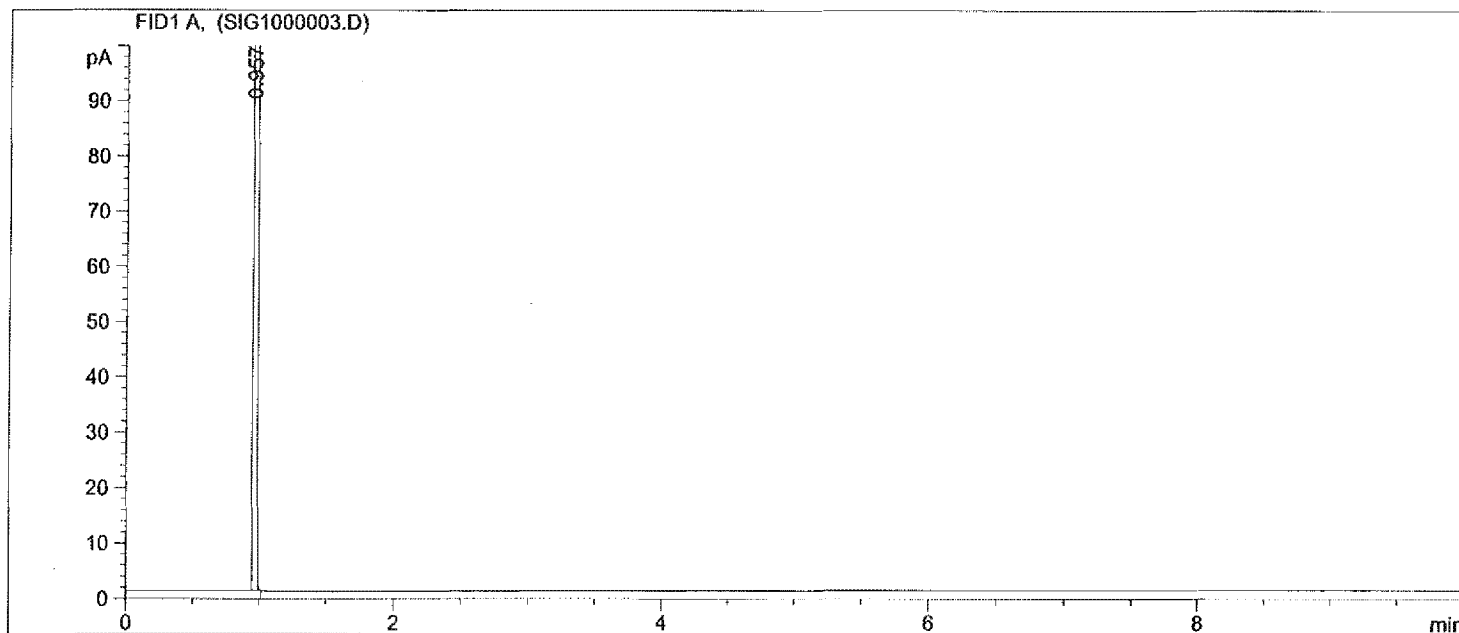
Totals : 1.56998e4 1.49995e4

```
=====
*** End of Report ***
=====
```

Sample Name: BLANK

```
=====
Acq. Operator   : ASD                      Seq. Line :    3
Acq. Instrument : DrugLab GC #1            Location  : Vial 3
Injection Date  : 6/6/2011 3:43:57 PM      Inj       :    1
                                           Inj Volume: 1 µl

Sequence File   : C:\CHEM32\1\SEQUENCE\DEFAULT.S
Method          : C:\CHEM32\1\METHODS\ROUTINE.M
Last changed    : 12/16/2010 11:45:09 AM by ASD
=====
```



```
=====
                        Area Percent Report
=====
```

```
Sorted By           :      Retention Time
Multiplier:         :      1.0000
Dilution:           :      1.0000
Do not use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Sig	Type	Area [pA*s]	Height [pA]	Area %
1	0.957	1	BB S	1.61184e4	1.70691e4	1.000e2

Totals :                    1.61184e4  1.70691e4

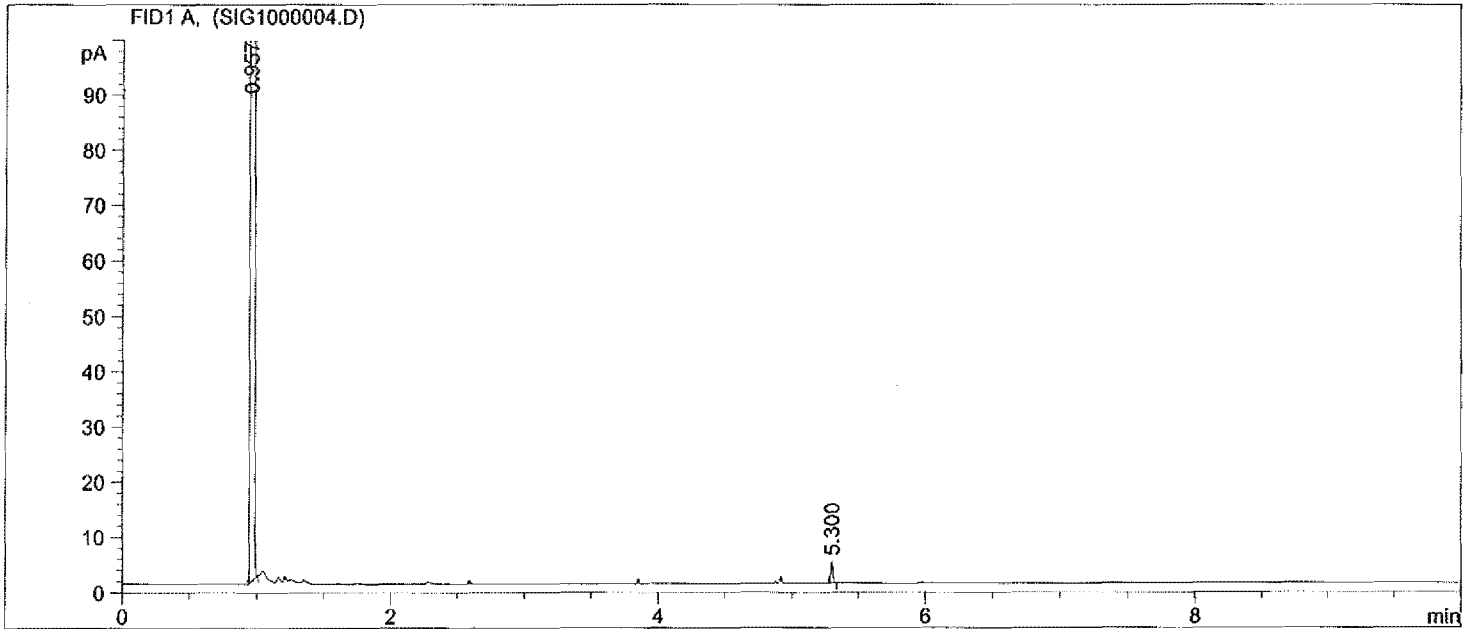
```
=====
*** End of Report ***
```



Sample Name: XXXXXXXXXX

```
=====
Acq. Operator   : ASD                      Seq. Line :    4
Acq. Instrument : DrugLab GC #1            Location  : Vial 4
Injection Date  : 6/6/2011 3:57:09 PM      Inj       :    1
                                           Inj Volume: 1 µl

Sequence File   : C:\CHEM32\1\SEQUENCE\DEFAULT.S
Method          : C:\CHEM32\1\METHODS\ROUTINE.M
Last changed    : 12/16/2010 11:45:09 AM by ASD
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By           :      Retention Time
Multiplier:         :      1.0000
Dilution:           :      1.0000
Do not use Multiplier & Dilution Factor with ISTDs
```

Signal 1: FID1 A,

Peak #	RetTime [min]	Sig	Type	Area [pA*s]	Height [pA]	Area %
1	0.957	1	BB S	1.52179e4	1.48829e4	99.97265
2	5.300	1	BB	4.16354	3.92088	0.02735

```
Totals :                1.52221e4  1.48868e4
```

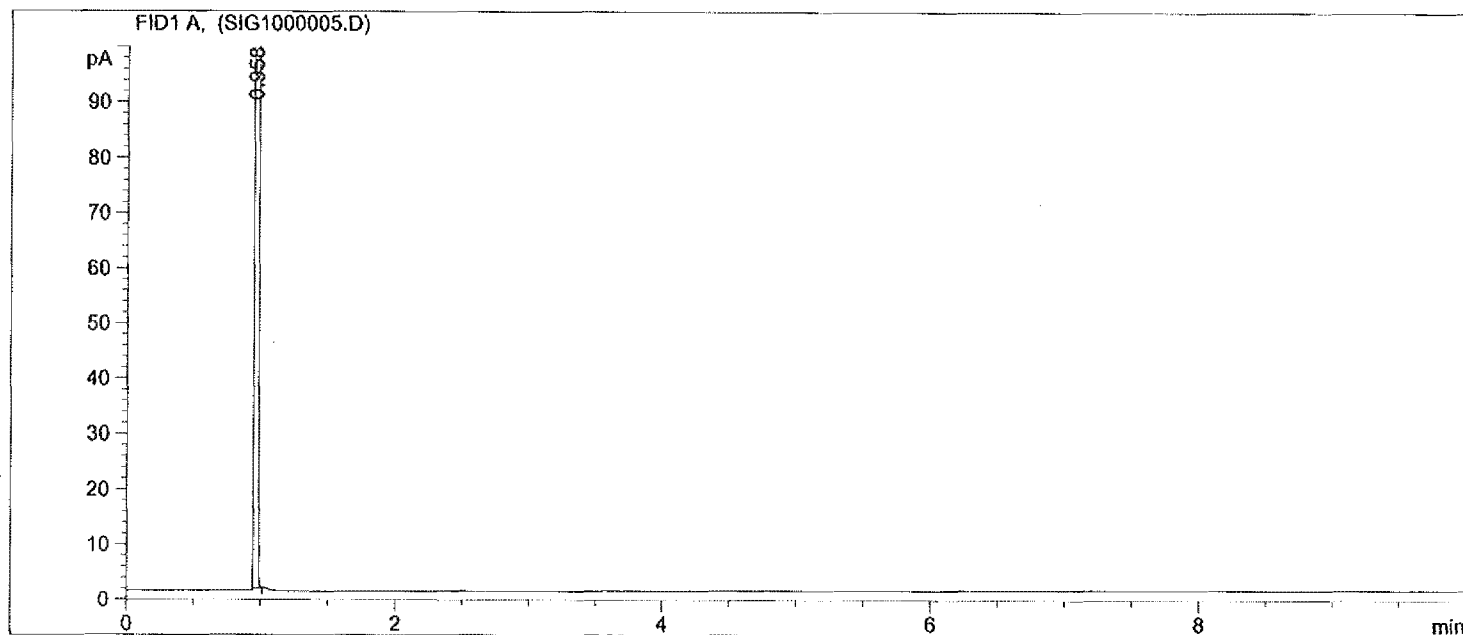
```
=====
*** End of Report ***
=====
```

Sample Name: BLANK

```

=====
Acq. Operator   : ASD                      Seq. Line :    5
Acq. Instrument : DrugLab GC #1            Location  : Vial 5
Injection Date  : 6/6/2011 4:10:22 PM      Inj       :    1
                                           Inj Volume: 1 µl
Sequence File   : C:\CHEM32\1\SEQUENCE\DEFAULT.S
Method          : C:\CHEM32\1\METHODS\ROUTINE.M
Last changed    : 12/16/2010 11:45:09 AM by ASD
=====

```



```

=====
                        Area Percent Report
=====

```

```

Sorted By           :      Retention Time
Multiplier:         :      1.0000
Dilution:           :      1.0000
Do not use Multiplier & Dilution Factor with ISTDs

```

Signal 1: FID1 A,

Peak #	RetTime [min]	Sig	Type	Area [pA*s]	Height [pA]	Area %
1	0.958	1	BB S	1.71570e4	1.69461e4	1.000e2

```
Totals :                1.71570e4  1.69461e4
```

```

=====
                        *** End of Report ***
=====

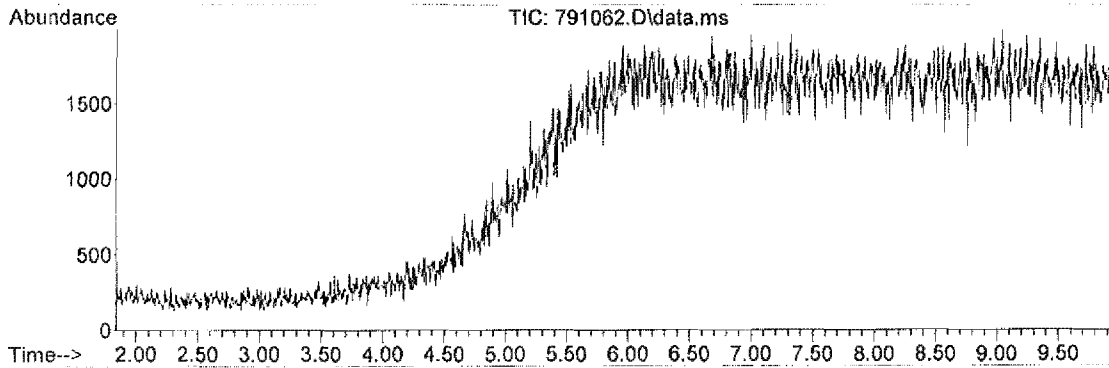
```

Area Percent / Library Search Report

Information from Data File:

File Name : F:\Q2-2011\SYSTEM 7\06\_07\_11\791062.D  
Operator : ASD  
Date Acquired : 8 Jun 2011 1:55  
Sample Name : BLANK  
Submitted by :  
Vial Number : 2  
AcquisitionMeth: DRUGS.M  
Integrator : RTE

✓ ASD  
01-31-2012



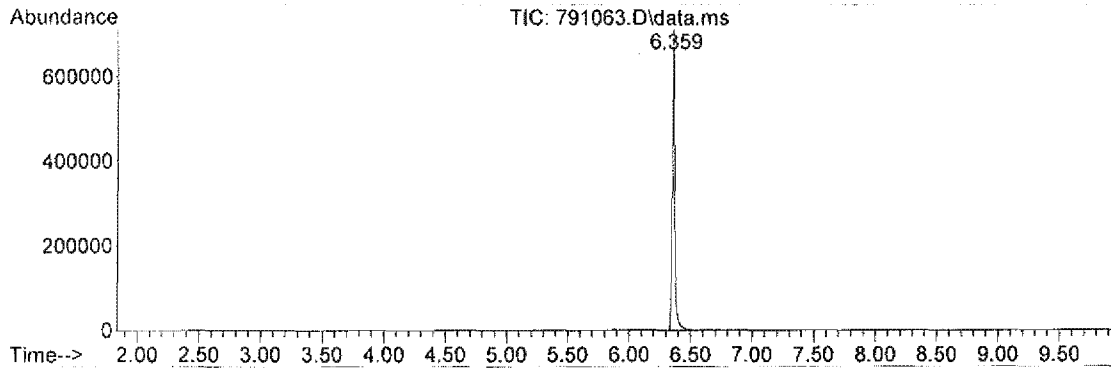
Ret. Time	Area	Area %	Ratio %
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\*\*\*NO INTEGRATED PEAKS\*\*\*

# Area Percent / Library Search Report

**Information from Data File:**

File Name : F:\Q2-2011\SYSTEM 7\06\_07\_11\791063.D  
 Operator : ASD  
 Date Acquired : 8 Jun 2011 2:07  
 Sample Name : HEROIN STD  
 Submitted by :  
 Vial Number : 5  
 AcquisitionMeth: DRUGS.M  
 Integrator : RTE



Ret. Time	Area	Area %	Ratio %
6.359	1018361	100.00	100.00

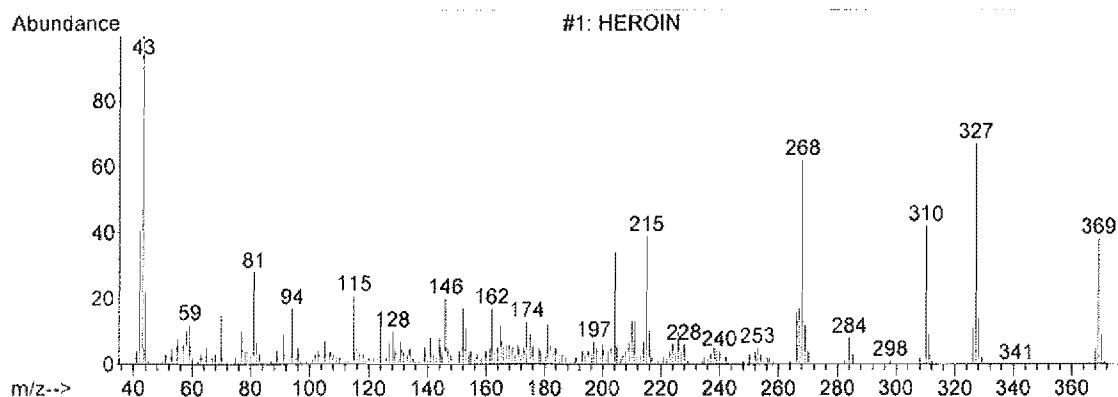
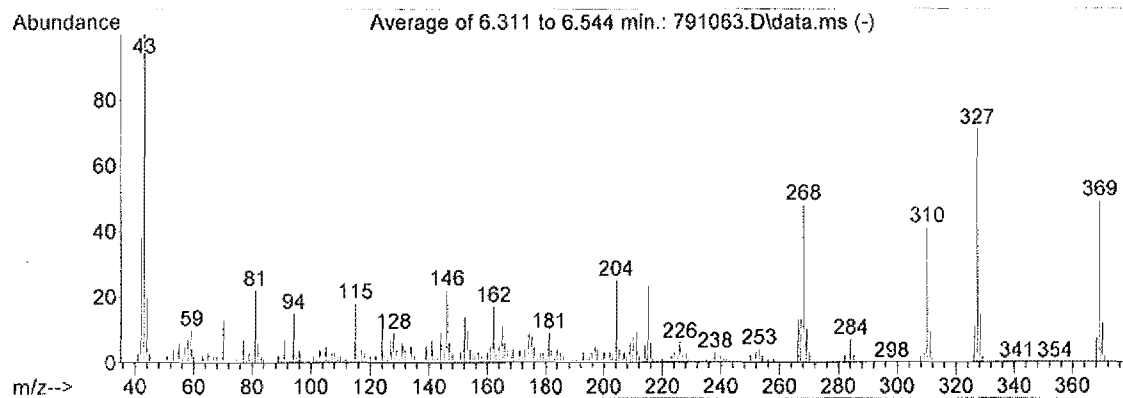
# Area Percent / Library Search Report

**Information from Data File:**

File Name : F:\Q2-2011\SYSTEM 7\06\_07\_11\791063.D  
 Operator : ASD  
 Date Acquired : 8 Jun 2011 2:07  
 Sample Name : HEROIN STD  
 Submitted by :  
 Vial Number : 5  
 AcquisitionMeth: DRUGS.M  
 Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80  
 C:\Database\NIST05a.L Minimum Quality: 80  
 C:\Database\PMW\_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
1	6.36	C:\Database\SLI.L HEROIN	000561-27-3	99



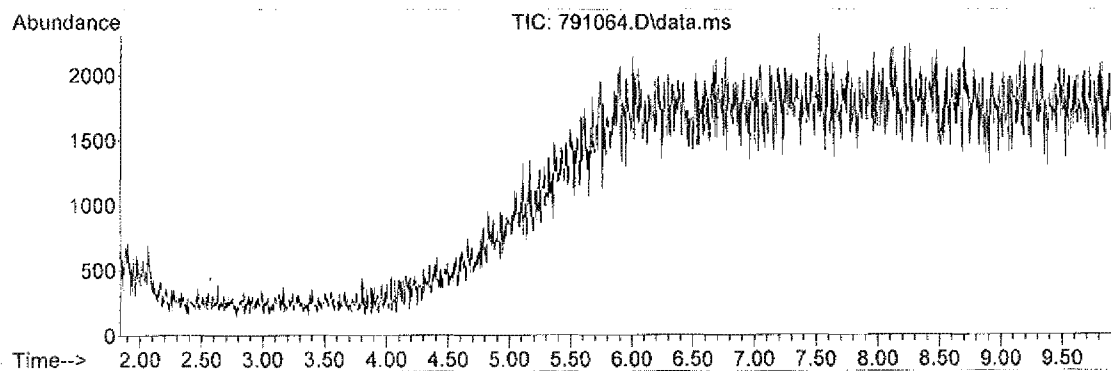
# Area Percent / Library Search Report

---

## Information from Data File:

File Name : F:\Q2-2011\SYSTEM 7\06\_07\_11\791064.D  
Operator : ASD  
Date Acquired : 8 Jun 2011 11:04  
Sample Name : BLANK  
Submitted by : NEM  
Vial Number : 2  
AcquisitionMeth: WDRUGS.M  
Integrator : RTE

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Ret. Time	Area	Area %	Ratio %
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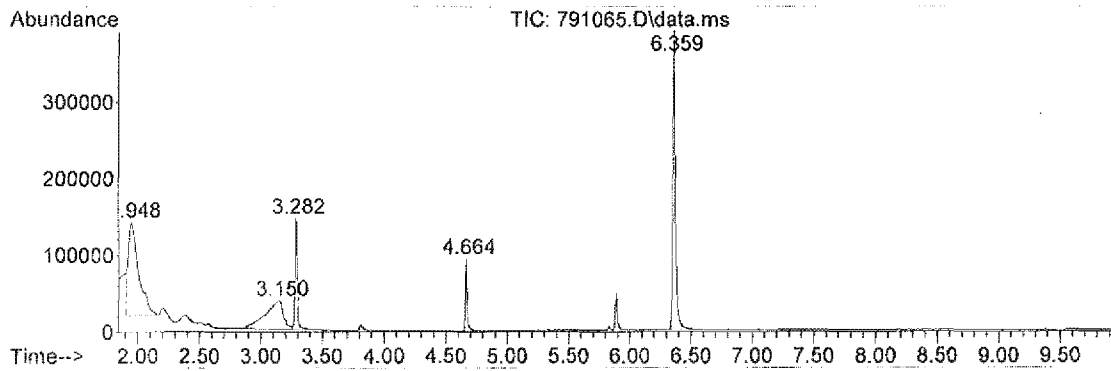
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\*\*\*NO INTEGRATED PEAKS\*\*\*

# Area Percent / Library Search Report

**Information from Data File:**

File Name : F:\Q2-2011\SYSTEM 7\06\_07\_11\791065.D  
 Operator : ASD  
 Date Acquired : 8 Jun 2011 11:16  
 Sample Name : XXXXXXXXXX  
 Submitted by : NEM  
 Vial Number : 65  
 AcquisitionMeth: WDRUGS.M  
 Integrator : RTE



Ret. Time	Area	Area %	Ratio %
1.948	715150	36.10	100.00
3.150	378836	19.12	52.97
3.282	187477	9.46	26.22
4.664	101658	5.13	14.21
6.359	598036	30.19	83.62

# Area Percent / Library Search Report

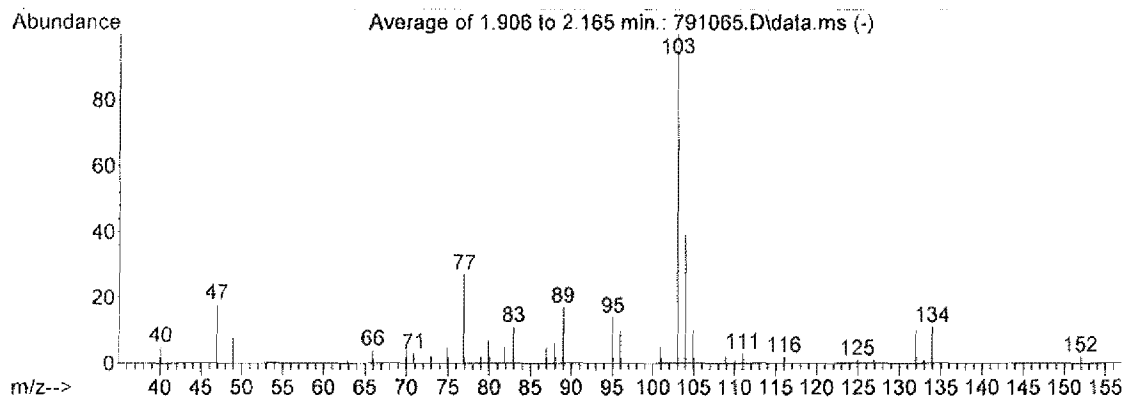
**Information from Data File:**

File Name : F:\Q2-2011\SYSTEM 7\06\_07\_11\791065.D  
 Operator : ASD  
 Date Acquired : 8 Jun 2011 11:16  
 Sample Name : XXXXXXXXXX  
 Submitted by : NEM  
 Vial Number : 65  
 AcquisitionMeth: WDRUGS.M  
 Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80  
 C:\Database\NIST05a.L Minimum Quality: 80  
 C:\Database\PMW\_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
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No Hits Found





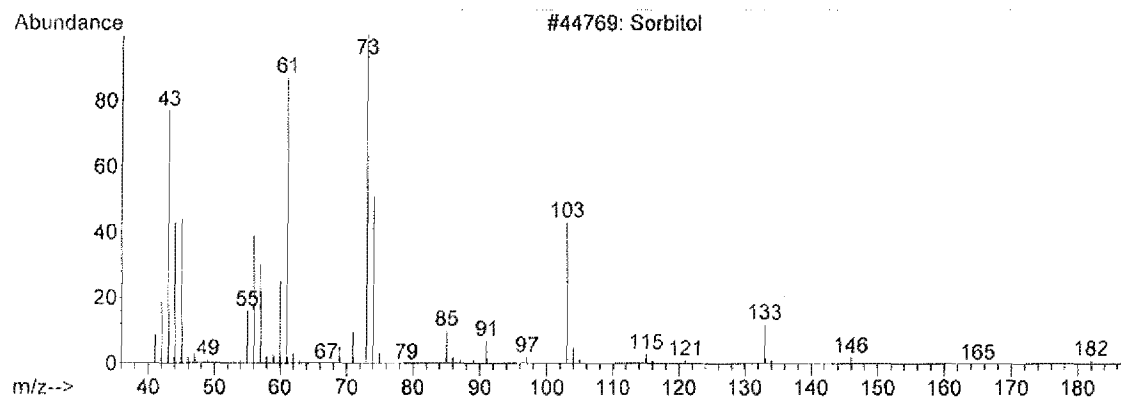
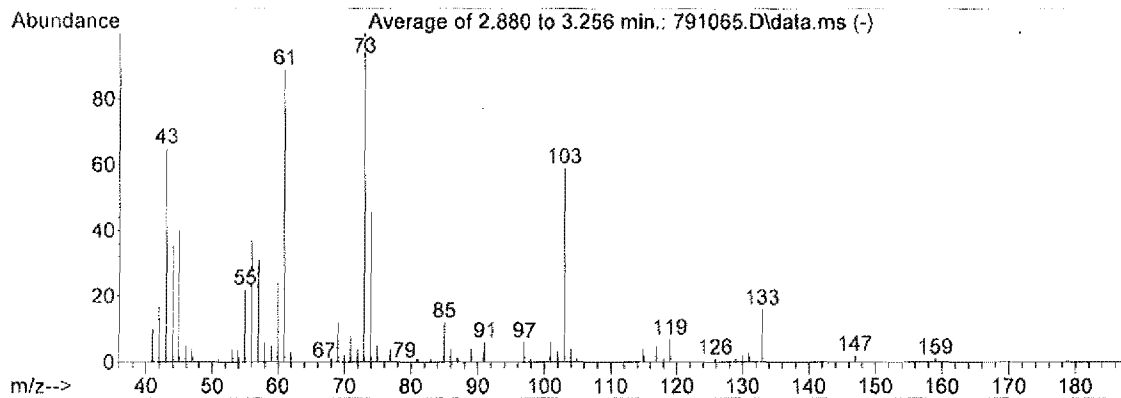
## Area Percent / Library Search Report

## Information from Data File:

File Name : F:\Q2-2011\SYSTEM 7\06\_07\_11\791065.D  
Operator : ASD  
Date Acquired : 8 Jun 2011 11:16  
Sample Name : XXXXXXXXXX  
Submitted by : NEM  
Vial Number : 65  
AcquisitionMeth: WDRUGS.M  
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80  
C:\Database\NIST05a.L Minimum Quality: 80  
C:\Database\PMW\_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
2	3.15	C:\Database\NIST05a.L		
		Sorbitol	000050-70-4	86
		Sorbitol	000050-70-4	72
		Glucitol	026566-34-7	72

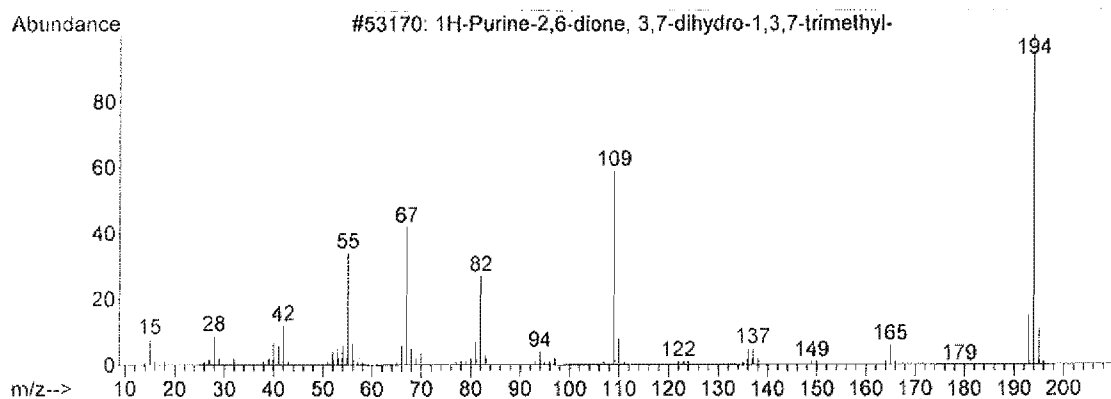
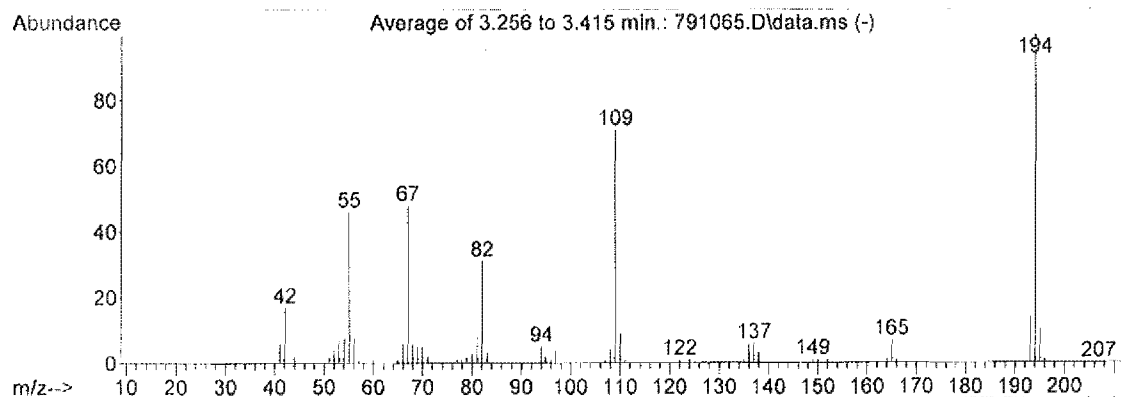


## Information from Data File:

File Name : F:\Q2-2011\SYSTEM 7\06\_07\_11\791065.D  
Operator : ASD  
Date Acquired : 8 Jun 2011 11:16  
Sample Name : XXXXXXXXXX  
Submitted by : NEM  
Vial Number : 65  
AcquisitionMeth: WDRUGS.M  
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80  
C:\Database\NIST05a.L Minimum Quality: 80  
C:\Database\PMW\_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
3	3.28	C:\Database\NIST05a.L		
		1H-Purine-2,6-dione, 3,7-dihydro-1,	000058-08-2	98
		1H-Purine-2,6-dione, 3,7-dihydro-1,	000058-08-2	96
		1H-Purine-2,6-dione, 3,7-dihydro-1,	000058-08-2	94

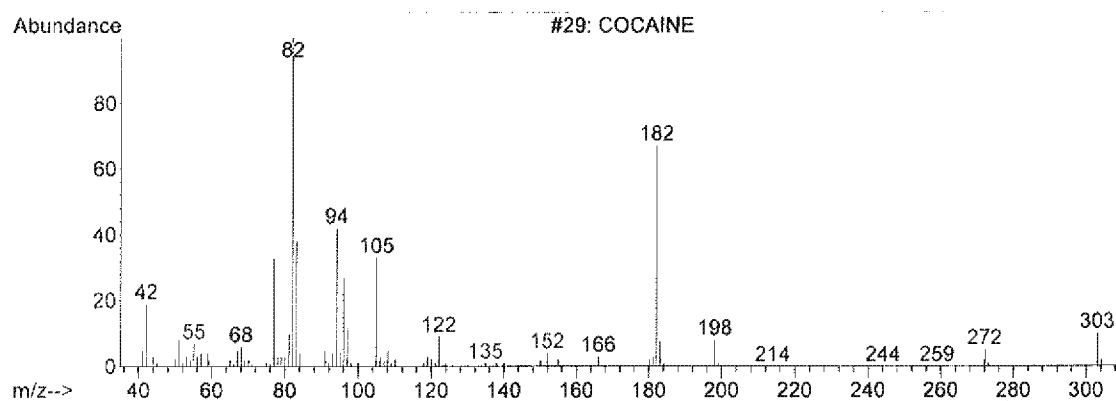
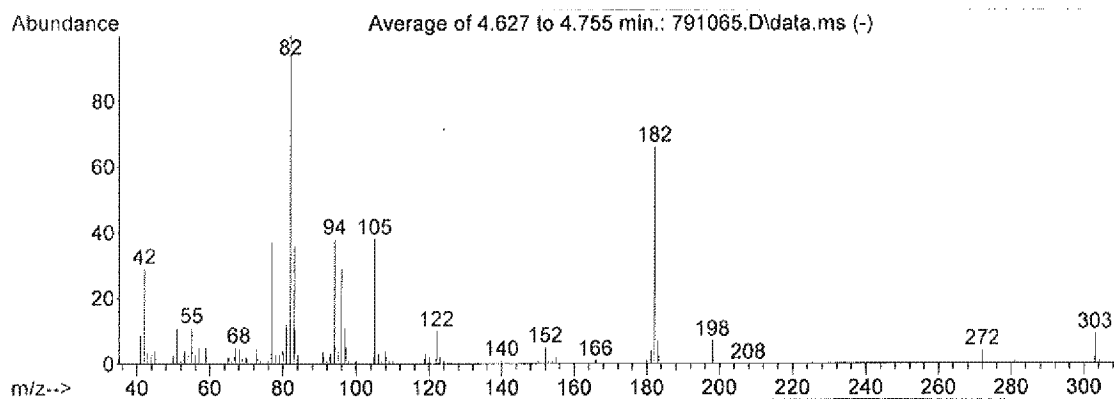


## Information from Data File:

File Name : F:\Q2-2011\SYSTEM 7\06\_07\_11\791065.D  
Operator : ASD  
Date Acquired : 8 Jun 2011 11:16  
Sample Name : XXXXXXXXXX  
Submitted by : NEM  
Vial Number : 65  
AcquisitionMeth: WDRUGS.M  
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80  
C:\Database\NIST05a.L Minimum Quality: 80  
C:\Database\PMW\_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
4	4.66	C:\Database\SLI.L COCAINE	000050-36-2	99

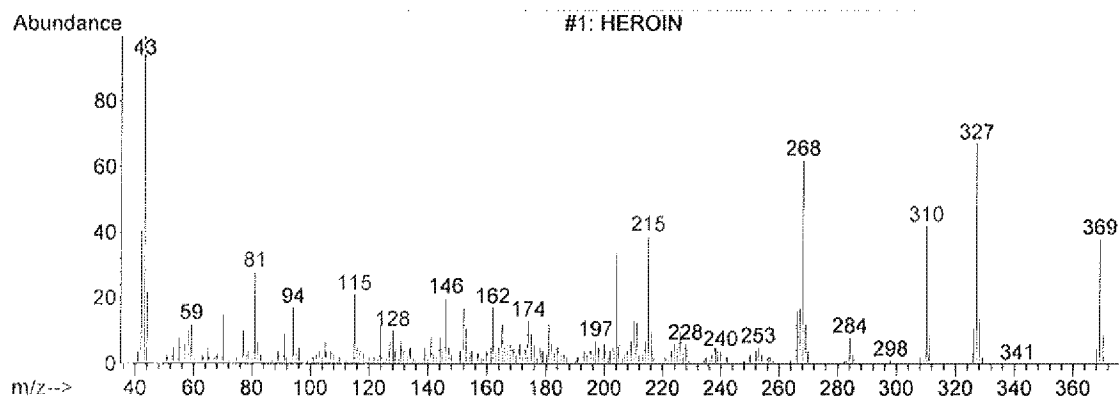
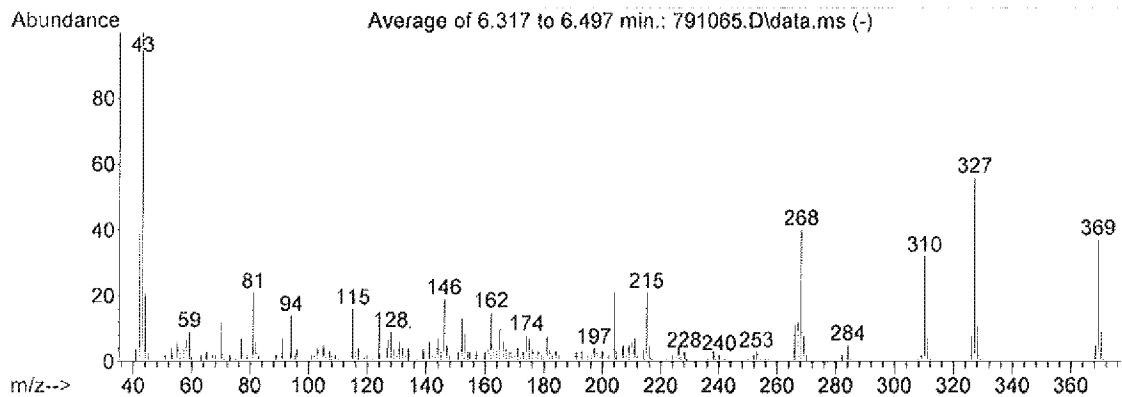


## Information from Data File:

File Name : F:\Q2-2011\SYSTEM 7\06\_07\_11\791065.D  
Operator : ASD  
Date Acquired : 8 Jun 2011 11:16  
Sample Name : XXXXXXXXXX  
Submitted by : NEM  
Vial Number : 65  
AcquisitionMeth: WDRUGS.M  
Integrator : RTE

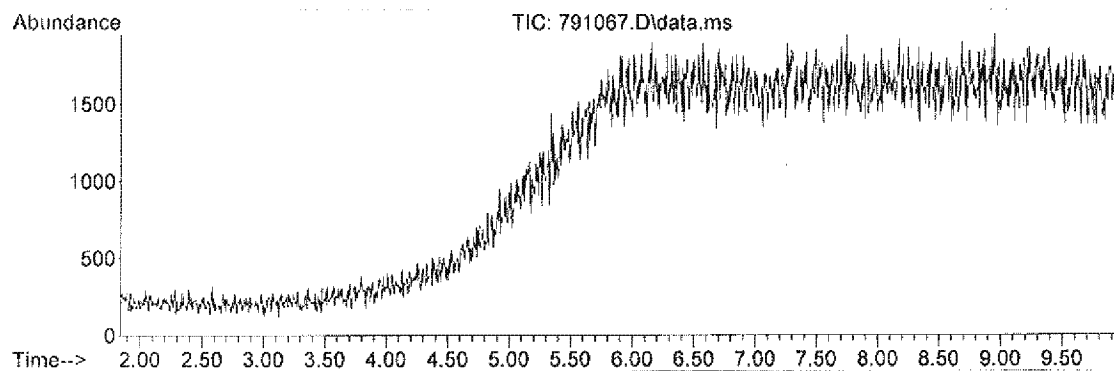
Search Libraries: C:\Database\SLI.L Minimum Quality: 80  
C:\Database\NIST05a.L Minimum Quality: 80  
C:\Database\PMW\_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
5	6.36	C:\Database\SLI.L HEROIN	000561-27-3	99



## Information from Data File:

File Name : F:\Q2-2011\SYSTEM 7\06\_07\_11\791067.D  
Operator : ASD  
Date Acquired : 8 Jun 2011 11:42  
Sample Name : BLANK  
Submitted by :  
Vial Number : 2  
AcquisitionMeth: DRUGS.M  
Integrator : RTE

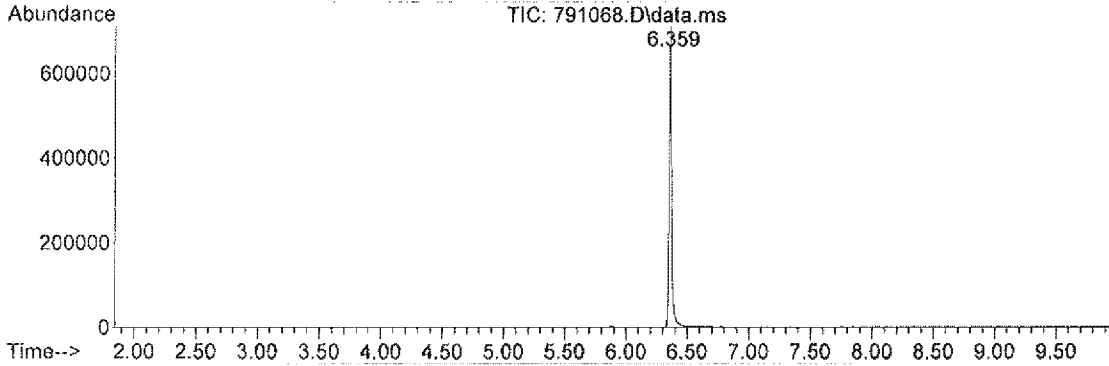


Ret. Time	Area	Area %	Ratio %
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\*\*\*NO INTEGRATED PEAKS\*\*\*

Information from Data File:

File Name : F:\Q2-2011\SYSTEM 7\06\_07\_11\791068.D  
 Operator : ASD  
 Date Acquired : 8 Jun 2011 11:54  
 Sample Name : HEROIN STD  
 Submitted by :  
 Vial Number : 5  
 AcquisitionMeth: DRUGS.M  
 Integrator : RTE



Ret. Time	Area	Area %	Ratio %
6.359	982323	100.00	100.00

## Information from Data File:

File Name : F:\Q2-2011\SYSTEM 7\06\_07\_11\791068.D  
Operator : ASD  
Date Acquired : 8 Jun 2011 11:54  
Sample Name : HEROIN STD  
Submitted by :  
Vial Number : 5  
AcquisitionMeth: DRUGS.M  
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80  
C:\Database\NIST05a.L Minimum Quality: 80  
C:\Database\PMW\_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
1	6.36	C:\Database\SLI.L HEROIN	000561-27-3	99

